

**01380100 BEAVER BROOK AT ROCKAWAY, NJ**

PASSAIC RIVER BASIN

LOCATION.--Lat 40°54'08", long 74°30'05" referenced to North American Datum of 1983, Rockaway Borough, Morris County, NJ, Hydrologic Unit 02030103, at bridge on Gill Road in Rockaway, and 0.2 mi above mouth.

DRAINAGE AREA.--22.2 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous and occasional low-flow measurements, water years 1963-64, 1985-86, and 1998 to current year.

GAGE.--Staff gage.

REMARKS.--Flow regulated by Splitrock Reservoir (see 01379990).

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Feb 4, 2008	72.1
May 19, 2008	66.8
Jul 2, 2008	5.39
Jul 31, 2008	4.46
Aug 7, 2008	6.71

## 01380100 BEAVER BROOK AT ROCKAWAY, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 6.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)
Nov 19...	1050	E27	4.7	.121	.091	756	11.9	90	6.9	621	2.5	3.6	56
Feb 04...	1300	72	2.7	.088	.066	751	12.8	91	7.2	210	2.5	1.5	37
May 19...	1200	67	3.5	.155	.120	734	9.1	87	7.2	159	15.0	13.1	33
Aug 07...	1230	6.7	4.7	.167	.132	743	7.6	91	7.3	162	30.0	24.0	42

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 19...	14.4	4.89	1.19	98.9	32	171	<.12	9.6	13.0	333	348	1	.23
Feb 04...	9.35	3.23	.79	23.2	21	39.1	<.12	6.7	10.3	E106	114	1	.19
May 19...	8.30	3.06	.57	13.1	23	23.0	E.07	7.0	7.80	E77	83	6	.22
Aug 07...	10.6	3.90	.58	11.2	33	23.4	E.10	6.4	6.44	E83	118	4	.25

## 01380100 BEAVER BROOK AT ROCKAWAY, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
<b>Nov 19...</b>	.062	.16	E.03	.39	E.42	.011	.009	.020	.4	<.04	.4	3.5	10
<b>Feb 04...</b>	E.008	.14	E.04	.33	E.37	E.004	E.006	.012	.4	<.04	.4	3.0	8.1
<b>May 19...</b>	.025	.08	.06	.30	.36	E.008	.015	.028	.6	<.04	.6	3.6	9.7
<b>Aug 07...</b>	.015	.11	E.04	.36	E.39	E.008	.020	.049	.4	<.04	.4	3.7	9.3